AMENDMENTS TO THE CLAIMS:

Kindly amend claims 34, 35, and 41, and cancel claims 1-33, 36-40, and 42-45 as follows:

Listing of claims:

1-33. (Canceled)

34. (Currently Amended) ~~The system of claim 28,~~ A fuel cell system for providing backup power to one or more loads comprising:

one or more fuel cells, each comprising a power source and a fuel storage unit;

a cooling unit that is powered by the one or more fuel cells upon the occurrence of a power outage condition; and

a controller for sensing outage of primary power to the one or more loads, and, responsive thereto, operatively engaging the one or more fuel cells to provide power to the one or more loads and the cooling unit,

wherein at least one of the power sources comprises fuel that is present in cell cavities of the power source prior to the controller sensing the outage of primary power to the one or more loads, and

wherein the at least one of the power sources further comprises one or more second reactants that are present in the power source at a pressure in the range from about 0.01 psi gauge pressure to about 200 psi gauge pressure prior to operative engagement of the one or more fuel cells by the controller to provide power to the one or more loads, and

wherein the one or more second reactants are present in the power source at the pressure at a time prior to an outage sense time, which outage sense time is in the range from about 10 microseconds to about 10 seconds after the controller has sensed outage of primary power to the one or more loads, and

wherein the cooling unit comprises an open loop system configured to cool a first cooling fluid by circulating a second cooling fluid through a heat exchanger, and to then circulate the cooled first cooling fluid past the one or more fuel cells and/or the one or more loads.

35. (Currently Amended) ~~The system of claim 28,~~ A fuel cell system for providing backup power to one or more loads comprising:

one or more fuel cells, each comprising a power source and a fuel storage unit;

a cooling unit that is powered by the one or more fuel cells upon the occurrence of a power outage condition; and

a controller for sensing outage of primary power to the one or more loads, and, responsive thereto, operatively engaging the one or more fuel cells to provide power to the one or more loads and the cooling unit,

wherein at least one of the power sources comprises fuel that is present in cell cavities of the power source prior to the controller sensing the outage of primary power to the one or more loads, and

wherein the at least one of the power sources further comprises one or more second reactants that are present in the power source at a pressure in the range from about 0.01 psi gauge pressure to about 200 psi gauge pressure prior to operative engagement of the one or more fuel cells by the controller to provide power to the one or more loads, and

wherein the one or more second reactants are present in the power source at the pressure at a time prior to an outage sense time, which outage sense time is in the range from about 10 microseconds to about 10 seconds after the controller has sensed outage of primary power to the one or more loads, and

wherein the cooling unit comprises a closed loop system configured to cool a first cooling fluid by circulating a second cooling fluid from a reservoir through a heat exchanger and then back to the reservoir, and to then circulate the cooled first cooling fluid past the one or more fuel cells and/or the one or more loads.

36-40. (Canceled)

41. (Currently Amended) ~~The method of claim 40,~~ A method of providing backup power to one or more loads and to a cooling unit, upon the occurrence of and throughout the duration of a power outage condition, the method comprising, upon the occurrence of the power outage condition, engaging one or more fuel cells to provide backup power to (a) one or more loads,

and, (b) either simultaneously, precedingly, or subsequently, a cooling unit to cool both the one or more loads and/~~or~~ the one or more fuel cells sufficiently to allow both to dissipate heat and to continue functioning.

42-45. (Canceled)